

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/623,366
Source: 1Fw/6
Date Processed by STIC: 3/23/06

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 03/23/2006

PATENT APPLICATION: US/10/623,366

TIME: 13:41:44

Input Set : N:\Crif3\RULE60\10623366.raw

Output Set : N:\CRF4\03232006\J623366.raw

1 <110> APPLICANT: Bulla, Lee
 2 Candas, Mehmet
 3 <120> TITLE OF INVENTION: Pectinophora gossypiella (Pink Bollworm)
 4 Bacillus thuringiensis toxin receptor BT-R2
 5 <130> FILE REFERENCE: 52418-20003.00
 6 <140> CURRENT APPLICATION NUMBER: 10/623,366
 7 <141> CURRENT FILING DATE: 2003-07-18
 8 <150> PRIOR APPLICATION NUMBER: US/09/696,115
 9 <151> PRIOR FILING DATE: 2000-10-24
 10 <150> PRIOR APPLICATION NUMBER: US 60/161,564
 11 <151> PRIOR FILING DATE: 1999-10-26
 12 <160> NUMBER OF SEQ ID NOS: 18
 13 <170> SOFTWARE: PatentIn version 3.0
 15 <210> SEQ ID NO: 1
 16 <211> LENGTH: 5527
 17 <212> TYPE: DNA
 18 <213> ORGANISM: Pectinophora gossypiella
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| 79 | ttcgtttttc | ctgaatccgg | gacgattcta | cgactggctt | tggaacgcgc | agtggtaaat | 3600 |
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125 Glu Trp Thr Gly Gly Trp Thr Asp Trp Pro Leu Ile Pro Ala Glu Pro
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132 100 105 110
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| 146 | | 210 | | | | | 215 | | | | | 220 | | | | | | | |
| 147 | Arg | Glu | Asp | Val | Gln | Ile | Phe | Tyr | Val | Glu | Pro | Ala | His | Ile | Thr | Gly | | | |
| 148 | | 225 | | | | 230 | | | | | 235 | | | | | 240 | | | |
| 149 | Asp | Trp | Phe | Asn | Met | Gln | Ile | Thr | Ile | Gly | Ile | Leu | Ser | Ala | Leu | Asn | | | |
| 150 | | | | 245 | | | | | | 250 | | | | | 255 | | | | |
| 151 | Phe | Glu | Ser | Asn | Pro | Leu | His | Ile | Phe | Gln | Ile | Thr | Ala | Leu | Asp | Ser | | | |
| 152 | | | | 260 | | | | | 265 | | | | | 270 | | | | | |
| 153 | Trp | Pro | Asn | Asn | His | Thr | Val | Thr | Val | Met | Val | Gln | Val | Gln | Asn | Val | | | |
| 154 | | 275 | | | | | | 280 | | | | 285 | | | | | | | |
| 155 | Glu | His | Arg | Pro | Pro | Arg | Trp | Met | Glu | Ile | Phe | Ala | Val | Gln | Gln | Phe | | | |
| 156 | | 290 | | | | | 295 | | | | 300 | | | | | | | | |
| 157 | Asp | Glu | Met | Thr | Glu | Gln | Gln | Phe | Gln | Val | Arg | Ala | Ile | Asp | Gly | Asp | | | |
| 158 | | 305 | | | | 310 | | | | 315 | | | | | 320 | | | | |
| 159 | Thr | Gly | Ile | Gly | Lys | Ala | Ile | His | Tyr | Thr | Leu | Glu | Thr | Asp | Glu | Glu | | | |
| 160 | | | | 325 | | | | | 330 | | | | | 335 | | | | | |
| 161 | Glu | Asp | Leu | Phe | Phe | Ile | Glu | Thr | Leu | Pro | Gly | Gly | His | Asp | Gly | Ala | | | |
| 162 | | | 340 | | | | | 345 | | | | | 350 | | | | | | |
| 163 | Ile | Phe | Ser | Thr | Ala | Met | Ile | Asp | Val | Asp | Arg | Leu | Arg | Arg | Asp | Val | | | |
| 164 | | 355 | | | | | 360 | | | | 365 | | | | | | | | |
| 165 | Phe | Arg | Leu | Ser | Leu | Val | Ala | Tyr | Lys | Tyr | Asp | Asn | Val | Ser | Phe | Ala | | | |
| 166 | | 370 | | | | 375 | | | | 380 | | | | | | | | | |
| 167 | Thr | Pro | Thr | Pro | Val | Val | Ile | Ile | Val | Asn | Asp | Ile | Asn | Asn | Lys | Lys | | | |
| 168 | | 385 | | | 390 | | | | 395 | | | | | | 400 | | | | |
| 169 | Pro | Gln | Pro | Leu | Gln | Asp | Glu | Tyr | Thr | Ile | Ser | Ile | Met | Glu | Glu | Thr | | | |
| 170 | | | | 405 | | | | 410 | | | | | 415 | | | | | | |
| 171 | Pro | Leu | Ser | Leu | Asn | Phe | Ala | Glu | Leu | Phe | Gly | Phe | Tyr | Asp | Glu | Asp | | | |
| 172 | | | 420 | | | | | 425 | | | | | 430 | | | | | | |
| 173 | Leu | Ile | Tyr | Ala | Gln | Ser | Leu | Val | Glu | Ile | Gln | Gly | Glu | Asn | Pro | Pro | | | |
| 174 | | 435 | | | | | 440 | | | | 445 | | | | | | | | |
| 175 | Gly | Val | Glu | Gln | Ala | Phe | Tyr | Ile | Ala | Pro | Thr | Ala | Gly | Phe | Gln | Asn | | | |
| 176 | | 450 | | | | 455 | | | 460 | | | | | | | | | | |
| 177 | Gln | Thr | Phe | Ala | Ile | Gly | Thr | Gln | Asp | His | Arg | Met | Leu | Asp | Tyr | Glu | | | |
| 178 | | 465 | | | 470 | | | | 475 | | | | 480 | | | | | | |
| 179 | Asp | Val | Pro | Phe | Gln | Asn | Ile | Lys | Leu | Lys | Val | Ile | Ala | Thr | Asp | Arg | | | |
| 180 | | | | 485 | | | | 490 | | | | | 495 | | | | | | |
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| 184 | | 515 | | | | | 520 | | | | | 525 | | | | | | | |
| 185 | Lys | Phe | Lys | Glu | Thr | Val | Pro | Lys | Asp | Tyr | His | Val | Gly | Arg | Leu | Arg | | | |
| 186 | | 530 | | | | 535 | | | 540 | | | | | | | | | | |
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| 189 | Asn | Ala | Asn | Thr | Phe | Leu | Arg | Ile | Asp | Glu | Glu | Thr | Gly | Asp | Ile | Tyr | | | |
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| 192 | | | 580 | | | | | 585 | | | | 590 | | | | | | | |

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203   Ala Thr Lys Gln Gly Arg Asp Thr Asn Pro Ile Glu Phe His Gly Cys
204           675                      680                      685
205   Val Asp Ile Glu Thr Ile Phe Pro Asn Pro Ala Asp Thr Arg Glu Ala
206           690                      695                      700
207   Val Gly Arg Val Val Ala Lys Gly Ile Arg His Asn Val Thr Ile His
208           705                      710                      715                      720
209   Phe Glu Glu Phe Glu Phe Leu Tyr Leu Thr Val Arg Val Arg Asp Leu
210           725                      730                      735
211   His Thr Asp Asp Gly Arg Asp Tyr Asp Glu Ser Thr Phe Thr Val Ile
212           740                      745                      750
213   Ile Ile Asp Met Asn Asp Asn Trp Pro Ile Trp Ala Ser Gly Phe Leu
214           755                      760                      765
215   Asn Gln Thr Phe Ser Ile Arg Glu Arg Ser Ser Thr Gly Val Val Ile
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229   Asn Asn Lys Val Pro Ala Ala Asp Leu Ser Arg Phe Asn Glu Thr Val
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234           915                      920                      925
235   Ile Asn Tyr Ala Val Asn Gln Arg Leu Arg Asp Phe Phe Ala Ile Asp
236           930                      935                      940
237   Leu Asp Ser Gly Gln Val Tyr Val Glu Asn Thr Asn Asn Glu Leu Leu
238           945                      950                      955                      960
239   Asp Arg Asp Arg Gly Glu Asp Gln His Arg Ile Phe Ile Asn Leu Ile
240           965                      970                      975
241   Asp Asn Phe Tyr Ser Glu Gly Asp Gly Asn Arg Asn Val Asn Thr Thr

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:5; N Pos. 1,19

Seq#:6; N Pos. 1,7,13,22

Seq#:10; N Pos. 3,9,12,15,21

VERIFICATION SUMMARY

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Input Set : N:\Crf3\RULE60\10623366.raw

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L:364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:471 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0